



Docket No. 14445.01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor	Matthew P. Dugas	
Appn. No.	10/600,561	
Filed	June 19, 2003	Group Art Unit: 2651
Title	Optical Path for a Thermal-Assisted Magnetic Recording Head	Examiner: Unknown

**DECLARATION FOR UTILITY PATENT APPLICATION  
(37 C.F.R. § 1.63)**

As a below named inventor, I hereby declare that my mailing address and citizenship are as stated below.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled:

**Optical Path for a Thermal-Assisted Magnetic Recording Head**

the specification of which:

is attached hereto OR

was filed on June 19, 2003 as United States Application Number 10/600,561 or PCT International Application Number and amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information known to me that is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? Yes	Certified Copy Attached? No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

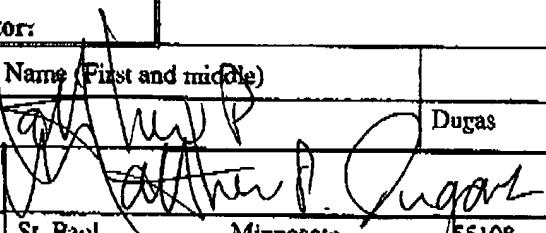
Application Number(s)	Filing Date (MM/DD/YYYY)
60/389,802	06/19/2002
60/413,190	09/24/2002

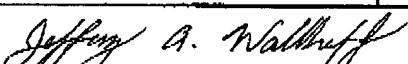
PLEASE DIRECT ALL CORRESPONDENCE TO:

The address associated with Customer Number: 25763, currently:

Name	Devan V. Padmanabhan	
Address	DORSEY & WHITNEY LLP Intellectual Property Department Suite 1500 50 South Sixth Street Minneapolis, MN 55402-1498	CUSTOMER NUMBER 25763
Telephone	612-340-7990	
Fax	612-340-8856	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Sole or First Inventor:		
Given Name (First and middle)		Family Name or Surname
Matthew P.	Dugas	
Inventor's Signature		
Residence	St. Paul City	Minnesota 55108 Zip
Post Office Address	2324 Valentine Avenue	

Second Inventor:		
Given Name (First and middle)		Family Name or Surname
Jeffrey A.	Wallhoff	
Inventor's Signature		
Residence	New Brighton City	Minnesota 55112 Zip
Post Office Address	2210 7 <sup>th</sup> Street N.W.	



Docket: 14445.01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named	Matthew P. Dugas	
Inventor:		
Appln. No.:	10/600,561	
Filed:	Junc 19, 2003	
Title:	Optical Path for a Thermal-Assisted Magnetic Recording Head	Examiner: Unknown Group Art Unit: 2561

POWER OF ATTORNEY

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this document is being sent via First Class U.S. mail addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 24 day of January, 2004.

Frances Esoo

(Signature)

Sir:

In the above-referenced patent application, on behalf of Advanced Research Corporation, I hereby appoint the Dorsey & Whitney LLP attorneys and agents associated with Customer Number 25763 to prosecute the patent application identified above and to transact all business in the Patent and Trademark Office connected therewith, including full power of association, substitution, and revocation.

Please address all telephone calls to: Devan V. Padmanabhan at (612) 340-7990.

Please address all correspondence to Devan V. Padmanabhan at the address corresponding to Customer Number 25763, currently:

DORSEY & WHITNEY LLP  
Intellectual Property Department  
Suite 1500  
50 South Sixth Street  
Minneapolis, Minnesota 55402-1498

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of Advanced Research Corporation.

Dated: 1-21-04

Signature: Matthew P. Dugas CEO  
Name: Matthew P. Dugas  
Title: CEO



Docket: 14445.01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Name	Matthew P. Dugas	
Inventor:		
Appln. No.:	10/600,561	
Filed:	June 19, 2003	
Title:	Optical Path for a Thermal-Assisted Magnetic Recording Head	Examiner: Unknown Group Art 2651 Unit:

SUBMISSION UNDER 37 C.F.R. § 3.73(b)

Mail Stop Assignment Recordation Services  
Director of the US Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this document is being sent via First  
Class U.S. mail addressed to Mail Stop Assignment  
Recordation Services, Director of the US Patent and  
Trademark Office, P.O. Box 1450, Alexandria, VA 22313-  
1450 on this 21 day of January 2004.

FACSIMILE NO.: 703.306.5995

Sir:

Francis Dugas  
(Signature)

Advanced Research Corporation, a Minnesota corporation, is an owner of the patent  
application identified above by virtue of either:

1.  An assignment from the inventor(s) of the patent application identified  
above, a copy of which is attached.

OR

2.  A chain of title from the inventor(s), of the patent application identified  
above, to the current assignee as shown below:

a. From: To:  
The document was recorded in the U.S. Patent and Trademark Office at Reel  
, Frame , or a copy of which is attached.

b. From: To:  
The document was recorded in the U.S. Patent and Trademark Office at Reel  
, Frame , or a copy of which is attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on  
behalf of Advanced Research Corporation.

Dated: 1/21/04

Signature: Matthew P. Dugas  
Name: Matthew P. Dugas  
Title: CEO

**ASSIGNMENT**  
(Entity)

Attorney Docket No.: 14445.01

Page 1 of 2

First Named Inventor: Matthew P. Dugas

Title: Optical Path for a Thermal-Assisted Magnetic Recording Head

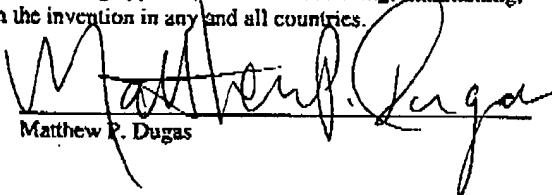
WHEREAS, I, Matthew P. Dugas, residing in St. Paul, Minnesota 55108, and I, Jeffrey A. Wallhoff, residing in New Brighton, Minnesota 55112, have invented certain new and useful improvements as described in an application entitled Optical Path for a Thermal-Assisted Magnetic Recording Head for Letters Patent of the United States, the application being identified in the United States Patent and Trademark Office by Application No. 10/600,561, filed June 19, 2003; and

WHEREAS, Advanced Research Corporation, a corporation organized and existing under the laws of the State of Minnesota, and having offices at 815 14<sup>th</sup> Avenue SE, Minneapolis, MN 55414, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I transfer to Assignee, its successors and assigns, my entire right, title, and interest in and to the invention, the above-identified patent application, corresponding domestic applications (including divisionals, continuations, and continuations-in-part), corresponding foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and I authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

I authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

  
Matthew P. Dugas

**CERTIFICATE OF ACKNOWLEDGMENT**

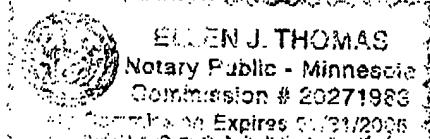
STATE OF Minnesota )  
: SS.

COUNTY OF Minneapolis )

Subscribed and sworn to before me, a Notary Public, this 21<sup>st</sup> day of January, 2004.

Ellen J. Thomas  
Notary Public

(SEAL)



<b>ASSIGNMENT</b> (Entity)	Attorney Docket No.: 14445.01	Page 2 of 2
	First Named Inventor: Matthew P. Dugas	
	Title: Optical Path for a Thermal-Assisted Magnetic Recording Head	

*Jeffrey A. Wallhoff*  
Jeffrey A. Wallhoff

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF Minnesota : SS.  
COUNTY OF Hennepin

Subscribed and sworn to before me, a Notary Public, this 21<sup>st</sup> day of January, 2004.

Elton J. Thomas  
Notary Public

(SEAL)

